



## KAZUNORI (KAZU) AKIYAMA

Kazunori (Kazu) Akiyama is a research scientist at the Massachusetts Institute of Technology Haystack Observatory. He received his undergraduate degree in physics from Hokkaido University in 2010. He completed master's and doctoral programs in astronomy at the University of Tokyo in 2012 and 2015. After completing his doctoral program, he started to work at Haystack Observatory as a Japan Society for the Promotion of Science Postdoctoral Fellow for Research Abroad in 2015 and a Jansky Fellow at the National Radio Astronomy Observatory in 2017. He has been working as an MIT research scientist since 2020. He joined the EHT team in 2010. Since then, he has worked on various aspects of EHT observations, data processing, imaging and scientific interpretation. He developed one of the imaging software packages, SMILI, used to create the first images of M87\*. He co-founded the Imaging Working Group of the EHT Collaboration in 2017 and has been co-leading the group since its establishment. He also served as a Coordinator of the EHT Data Calibration Team.



## RICHARD ANANTUA

Richard Anantua is a theoretical astrophysicist in the Event Horizon Telescope Collaboration, developing plasma heating models that may account for current and future observations of polarized emission around black holes. He also leads the EHT Outreach Group -- coordinating with international press officers to publicize EHT science, curating EHT social media and linking EHT with diverse organizations such as the National Society of Black Physicists. Richard started a professorship in the University of Texas at San Antonio Physics and Astronomy Department this year and is looking forward to starting the first Event Horizon Telescope group in Texas.



## DARYL HAGGARD

Daryl Haggard is a professor of physics at McGill University and in the McGill Space Institute. She is a world-renowned expert in observational studies of black holes. She uses radio, submillimeter, infrared and X-ray telescopes to probe exotic black hole environments, where strong gravity plays a key role. She is also internationally known for her contributions to multi-messenger astrophysics, including the joint discovery of X-ray and gravitational wave emission from the first known collision of two neutron stars.



## COLIN LONSDALE

Colin Lonsdale is director of MIT's Haystack Observatory, where he has worked since 1986. His background is in radio astronomy, studying a wide variety of astrophysical phenomena including active galactic nuclei and making extensive use of the technique of Very Long Baseline Interferometry, or VLBI. He has been involved with the Event Horizon Telescope project since its inception and provided a number of early technical contributions. He currently represents MIT on the EHT Collaboration governing board; from 2017 to 2020, he served as vice-chair of the board and now serves as its chair.





## LIA MEDEIROS

Lia Medeiros is a co-lead of the Event Horizon Telescope Gravitational Physics Working Group, a member of the EHT's Junior Scientist Council, and an NSF Astronomy and Astrophysics Postdoctoral Fellow, working at the Institute for Advanced Study. She co-coordinated one of six collaboration papers published to present EHT 2022 black hole results. She graduated with a doctorate in physics from the University of California, Santa Barbara in 2019, having completed the majority of her dissertation research at the Steward Observatory at the University of Arizona. Her current focus includes developing simulations of accreting black holes and devising novel algorithms to interpret EHT data. By modeling hypothetical black holes that challenge our understanding of gravity and comparing these exotic structures to EHT observations, she is able to test Einstein's theory of General Relativity.



## DOM PESCE

Dom Pesce is an astrophysicist at the Center for Astrophysics | Harvard & Smithsonian, where he studies supermassive black holes, or SMBHs, using a technique called Very Long Baseline Interferometry, or VLBI. For the past several years, he has been a member of the Event Horizon Telescope collaboration, where he develops techniques for modeling and imaging the sky's largest SMBHs. He is also a member of the Megamaser Cosmology Project, which uses VLBI observations of water molecules orbiting SMBHs in nearby galaxies to measure their distances and thereby constrain the local expansion rate of the universe. Through his work, Pesce has developed a deeper interest in VLBI as a measurement process, and much of his research has focused on furthering the understanding of the nature and statistical properties of VLBI data products. Currently, he is serving as a coordinator of the Algorithms and Inference Science Working Group as part of the next-generation EHT project, which aims to expand on the EHT array to carry out real-time studies of SMBH videos.